

#15



PCT

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/831,455B

DATE: 02/11/2003
 TIME: 14:30:09

Input Set : A:\pf0634usn_subseqlist.txt
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1 <110> APPLICANT: INCYTE GENOMICS, INC.; TANG, Y. Tom;
2     HILLMAN, Jennifer L.; YUE, Henry;
3     LAL, Preeti; BANDMAN, Olga;
4     CORLEY, Neil C.; GUEGLER, Karl J.;
5     BAUGHN, Mariah R.; LU, Dyung Aina M.;
6     AZIMZAI, Yalda; YANG, Junming
8 <120> TITLE OF INVENTION: HUMAN HYDROLASE PROTEINS
10 <130> FILE REFERENCE: PF-0634 USN
12 <140> CURRENT APPLICATION NUMBER: US 09/831,455B
C--> 13 <141> CURRENT FILING DATE: 2002-11-07
15 <150> PRIOR APPLICATION NUMBER: PCT/US99/27009
16 <151> PRIOR FILING DATE: 1999-11-12
18 <150> PRIOR APPLICATION NUMBER: US 60/135,519
19 <151> PRIOR FILING DATE: 1999-05-21
21 <150> PRIOR APPLICATION NUMBER: US 60/172,256
22 <151> PRIOR FILING DATE: 1998-11-12
24 <160> NUMBER OF SEQ ID NOS: 35
25 <170> SOFTWARE: PERL Program
27 <210> SEQ ID NO: 1
28 <211> LENGTH: 159
29 <212> TYPE: PRT
30 <213> ORGANISM: Homo sapiens
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34 <223> OTHER INFORMATION: Incyte ID No: 2293764CD1
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42      35          40          45
43 Val Gly Asp Trp Leu Cys Met Ala His Tyr Glu Ser Gly Phe Asp
44      50          55          60
45 Thr Ala Phe Val Asp His Asn Pro Asp Gly Ser Ser Glu Tyr Gly
46      65          70          75
47 Ile Phe Gln Leu Asn Ser Ala Trp Trp Cys Asp Asn Gly Ile Thr
48      80          85          90
49 Pro Thr Lys Asn Leu Cys His Met Asp Cys His Asp Leu Leu Asn
50      95         100         105
51 Arg His Ile Leu Asp Asp Ile Arg Cys Ala Lys Gln Ile Val Ser
52      110         115         120
53 Ser Gln Asn Gly Leu Ser Ala Trp Thr Ser Trp Arg Leu His Cys

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ENTERED

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73          20          25          30
74 Ala Gly Leu Pro Ala Leu Asp Leu Ala Lys Ala Gln Arg Glu His
75          35          40          45
76 Gly Val Leu Gly Gly Lys Leu Arg Gln Arg Leu Gly Leu Gln Leu
77          50          55          60
78 Leu Glu Leu Pro Pro Glu Glu Ser Leu Pro Leu Gly Pro Leu Leu
79          65          70          75
80 Gly Asp Thr Ala Val Ile Gln Gly Asp Thr Ala Leu Ile Thr Arg
81          80          85          90
82 Pro Trp Ser Pro Ala Arg Arg Pro Glu Val Asp Gly Val Arg Lys
83          95          100         105
84 Ala Leu Gln Asp Leu Gly Leu Arg Ile Val Glu Ile Gly Asp Glu
85          110         115         120
86 Asn Ala Thr Leu Asp Gly Thr Asp Val Leu Phe Thr Gly Arg Glu
87          125         130         135
88 Phe Phe Val Gly Leu Ser Lys Trp Thr Asn His Arg Gly Ala Glu
89          140         145         150
90 Ile Val Ala Asp Thr Phe Arg Asp Phe Ala Val Ser Thr Val Pro
91          155         160         165
92 Val Ser Gly Pro Ser His Leu Arg Gly Leu Cys Gly Met Gly Gly
93          170         175         180
94 Pro Arg Thr Val Val Ala Gly Ser Ser Asp Ala Ala Gln Lys Ala
95          185         190         195
96 Val Arg Ala Met Ala Val Leu Thr Asp His Pro Tyr Ala Ser Leu
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98 Thr Leu Pro Asp Asp Ala Ala Asp Cys Leu Phe Leu Arg Pro
99          215         220         225
100 Gly Leu Pro Gly Val Pro Pro Phe Leu Leu His Arg Gly Gly Gly
101          230         235         240
102 Asp Leu Pro Asn Ser Gln Glu Ala Leu Gln Lys Leu Ser Asp Val
103          245         250         255
104 Thr Leu Val Pro Val Ser Cys Ser Glu Leu Glu Lys Ala Gly Ala
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117 <223> OTHER INFORMATION: Incyte ID No: 1297034CD1
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123 20 25 30
124 Ala Cys Leu Leu Thr Gly Ser Leu Phe Val Leu Leu Arg Val Phe
125 35 40 45
126 Ser Phe Glu Pro Val Pro Ser Cys Arg Ala Leu Gln Val Leu Lys
127 50 55 60
128 Pro Arg Asp Arg Ile Ser Ala Ile Ala His Arg Gly Gly Ser His
129 65 70 75
130 Asp Ala Pro Glu Asn Thr Leu Ala Ala Ile Arg Gln Ala Ala Lys
131 80 85 90
132 Asn Gly Ala Thr Gly Val Glu Leu Asp Ile Glu Phe Thr Ser Asp
133 95 100 105
134 Gly Ile Pro Val Leu Met His Asp Asn Thr Val Asp Arg Thr Thr
135 110 115 120
136 Asp Gly Thr Gly Arg Leu Cys Asp Leu Thr Phe Glu Gln Ile Arg
137 125 130 135
138 Lys Leu Asn Pro Ala Ala Asn His Arg Leu Arg Asn Asp Phe Pro
139 140 145 150
140 Asp Glu Lys Ile Pro Thr Leu Arg Glu Ala Val Ala Glu Cys Leu
141 155 160 165
142 Asn His Asn Leu Thr Ile Phe Phe Asp Val Lys Gly His Ala His
143 170 175 180
144 Lys Ala Thr Glu Ala Leu Lys Lys Met Tyr Met Glu Phe Pro Gln
145 185 190 195
146 Leu Tyr Asn Asn Ser Val Val Cys Ser Phe Leu Pro Glu Val Ile
147 200 205 210
148 Tyr Lys Met Arg Gln Thr Asp Arg Asp Val Ile Thr Ala Leu Thr
149 215 220 225
150 His Arg Pro Trp Ser Leu Ser His Thr Gly Asp Gly Lys Pro Arg
151 230 235 240
152 Tyr Asp Thr Phe Trp Lys His Phe Ile Phe Val Met Met Asp Ile
153 245 250 255
154 Leu Leu Asp Trp Ser Met His Asn Ile Leu Trp Tyr Leu Cys Gly
155 260 265 270
156 Ile Ser Ala Phe Leu Met Gln Lys Asp Phe Val Ser Pro Ala Tyr
157 275 280 285
158 Leu Lys Lys Trp Ser Ala Lys Gly Ile Gln Val Val Gly Trp Thr

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159 290 295 300
160 Val Asn Thr Phe Asp Glu Lys Ser Tyr Tyr Glu Ser His Leu Gly
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181 Thr Asp Arg Cys Phe His His Ser Glu Cys Tyr Ser Gly Cys Cys
182 35 40 45
183 Leu Met Asp Leu Asp Ser Gly Gly Ala Phe Cys Ala Pro Arg Ala
184 50 55 60
185 Arg Ile Thr Met Ile Cys Leu Pro Gln Trp Leu Glu Leu Phe Lys
186 65 70 75
187 Gly Arg Asp Cys Ile Ile Phe Ile Tyr Glu Ala Pro Thr Pro Ser
188 80 85 90
189 Leu Val Ser Ala His Asn Gln Gly Ser Tyr Gln His His Leu Pro
190 95 100 105
191 Leu Pro Asp Gly Leu Asp Val His Ile Gln Gly Leu Asp Val Phe
192 110 115 120
193 Pro Pro Val Pro Tyr Asp Leu Glu Glu Asp Ala Gly Trp Ser Leu
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195 Leu Pro Trp Gly His Arg Pro Trp Leu Pro Pro Thr Cys Ser Lys
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213 20 25 30
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215 35 40 45

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216 Arg Gln Val Gly Val Lys Gly Thr Asp Arg Leu Val Asn Val Phe
 217 50 55 60
 218 Leu Gly Ile Pro Phe Ala Gln Pro Pro Leu Gly Pro Asp Arg Phe
 219 65 70 75
 220 Ser Ala Pro His Pro Ala Gln Pro Trp Glu Gly Val Arg Asp Ala
 221 80 85 90
 222 Ser Thr Ala Pro Pro Met Cys Leu Gln Asp Val Glu Ser Met Asn
 223 95 100 105
 224 Ser Ser Arg Phe Val Leu Asn Gly Lys Gln Gln Ile Phe Ser Val
 225 110 115 120
 226 Ser Glu Asp Cys Leu Val Leu Asn Val Tyr Ser Pro Ala Glu Val
 227 125 130 135
 228 Pro Ala Gly Ser Gly Arg Pro Val Met Val Trp Val His Gly Gly
 229 140 145 150
 230 Ala Leu Ile Thr Gly Ala Ala Thr Ser Tyr Asp Gly Ser Ala Leu
 231 155 160 165
 232 Ala Ala Tyr Gly Asp Val Val Val Val Thr Val Gln Tyr Arg Leu
 233 170 175 180
 234 Gly Val Leu Gly Phe Phe Ser Thr Gly Asp Glu His Ala Pro Gly
 235 185 190 195
 236 Asn Gln Gly Phe Leu Asp Val Val Ala Ala Leu Arg Trp Val Gln
 237 200 205 210
 238 Glu Asn Ile Ala Pro Phe Gly Gly Asp Leu Asn Cys Val Thr Val
 239 215 220 225
 240 Phe Gly Gly Ser Ala Gly Gly Ser Ile Ile Ser Gly Leu Val Leu
 241 230 235 240
 242 Ser Pro Val Ala Ala Gly Leu Phe His Arg Ala Ile Thr Gln Ser
 243 245 250 255
 244 Gly Val Ile Thr Thr Pro Gly Ile Ile Asp Ser His Pro Trp Pro
 245 260 265 270
 246 Leu Ala Gln Lys Ile Ala Asn Thr Leu Ala Cys Ser Ser Ser Ser
 247 275 280 285
 248 Pro Ala Glu Met Val Gln Cys Leu Gln Gln Lys Glu Gly Glu Glu
 249 290 295 300
 250 Leu Val Leu Ser Lys Lys Leu Lys Asn Thr Ile Tyr Pro Leu Thr
 251 305 310 315
 252 Val Asp Gly Thr Val Phe Pro Lys Ser Pro Lys Glu Leu Leu Lys
 253 320 325 330
 254 Glu Lys Pro Phe His Ser Val Pro Phe Leu Met Gly Val Asn Asn
 255 335 340 345
 256 His Glu Phe Ser Trp Leu Ile Pro Arg Gly Trp Gly Leu Leu Asp
 257 350 355 360
 258 Thr Met Glu Gln Met Ser Arg Glu Asp Met Leu Ala Ile Ser Thr
 259 365 370 375
 260 Pro Val Leu Thr Ser Leu Asp Val Pro Pro Glu Met Met Pro Thr
 261 380 385 390
 262 Val Ile Asp Glu Tyr Leu Gly Ser Asn Ser Asp Ala Gln Ala Lys
 263 395 400 405
 264 Cys Gln Ala Phe Gln Glu Phe Met Gly Asp Val Phe Ile Asn Val

VERIFICATION SUMMARY

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L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date